

Native Plant Materials for McDonald Canal Boat Ramp

- 1.01 SCOPE OF WORK: Provide all labor, materials, equipment, fuel and other incidental costs and supervision necessary for the furnishing, delivery & installation of native plant materials at **McDonald Canal Boat Ramp- 24600 CR# 448A, Astatula, FL.**

Plant List: North Retention Pond #2 (0.4 acres)

- 30- *Solidago odora chapmanii*- Chapman's Goldenrod (1 gallon)
- 40- *Cephalanthus occidentalis*- Buttonbush (1 gallon)
- 60- *Serenoa repens*- Saw palmetto (1 gallon)
- 100- *Sparatina bakerii*- Cordgrass (1 gallon)
- 40- *Ipomopsis rubra*- Standing cypress (1 gallon)
- 40- *Liatris chapmanii*- Chapman's blazing star (quart)
- 40- *Pityopsis graminifolia*- Narrow leaf silkgrass (quart)
- 40- *Chamaecrista fasciculata*- Partridge pea (quart)
- 40- *Ruellia caroliniensis*- Native Petunia (quart)
- 40- *Dyschoriste oblongifolia*- Twin Flower (quart)
- 40- *Asclepias verticillata*- Whorled milkweed (1 gallon)
- 40- *Helianthus angustifolius*- Swamp sunflower (quart)
- 40- *Helianthus radula*- Rayless Sunflower (quart)
- 40- *Chrysopsis floridana*- Golden aster (1 gallon)
- 75- *Sorghastrum secundrum*- Lopsided Indian grass (2" plugs)
- 75- *Andropogon glomeratus*- Bushy Bluestem (2" plugs)
- 75- *Andropogon virginicus*- Broomsedge Bluestem (2" plugs)
- 100- *Aristida stricta*-Wiregrass (2" plugs)
- 100- *Mulenbergia*- Muhly Grass (2" plugs)
- 80- *Panicum hemitomon*- Maidencane (bare root)
- 80- *Xyris* spp.- Yellow-eyed Grass (bare root)
- 80- *Juncus effuses*- Soft Rush (bare root)
- 80- *Lachnanthes caroliniana*- Redroot (bare root)
- 80- *Pontedaria cordata*- Pickerel weed (bare root)
- 80- *Thalia geniculata*- Alligator flag (bare root)
- 80- *Sagittaria lancifolia*- Lance leaf Arrowhead (bare root)
- 80- *Scirpus validus*- Common bulrush (bare root)
- 80- *Canni flaccida*- Native Yellow Bloom (bare root)

South Retention Pond #1 (2.3 acres transitional slope)

- 100- *Cephalanthus occidentalis*- Button bush (1 gallon)
- 300- *Serenoa repens*- Saw palmetto (1 gallon)
- 200- *Liatris tenuifolia*- Scrub blazing star (1 gallon)
- 200- *Asclepias tuberosa*- Butterfly Milkweed (quart)
- 200- *Vernonia angustifolia*- Sandhill Ironweed (quart)

- 200- Sporobolus junceus- Pineland Drop seed (quart)
- 200- Liatris gracillias- Slender blazing star (1 gallon)
- 292- Liatris chapmanii- Chapman's blazing star (quart)
- 200- Pityopsis graminifolia- Narrow leaf silkgrass (1 gallon)
- 200- Elaphantopsis carolinianus- Carolina elephants foot (1 gallon)
- 200- Palafoxia feayi- Feay's Palafox (quart)
- 200- Ruellia caroliniensis- Native Petunia (quart)
- 200- Dyschoriste oblongifolia- Twin Flower (quart)
- 200- Scutellaria- Skullcap (quart)
- 200- Rudbeckia hirta- Black eyed Susan (1 gallon)
- 200- Helianthus angustifolius- Swamp sunflower (quart)
- 200- Helianthus radula- Rayless Sunflower (quart)
- 200- Asclepias incarnate- Butterfly Weed (quart)
- 200- Heliotropium polyphyllum- Pineland heliotrope (1 gallon)
- 200- Solidago odora var chapmanii- Chapman's Goldenrod (quart)
- 400- Sorghastrum secundum- Lopsided Indian grass (2" plugs)
- 600- Spartina bakerii- Cordgrass (1 gallon)
- 600- Aristida stricta- Wiregrass (2" plugs)
- 600- Mulenbergia- Muhly Grass (2" plugs)

South Retention pond 31 (1.0 acre wetland Area)

- 600- Andropogon temarius- Split beard Bluestem (2" plugs)
 - 600- Andropogon glomeratus- Bushy Bluestem (2" plugs)
 - 600- Andropogon virginicus- Brooms edge Bluestem (2" plugs)
 - 340- Panicum hemitomon- Maiden cane (bare root)
 - 300- Xyris spp.- Yellow-eyed Grass (bare root)
 - 300- Juncus effuses- Soft Rush (bare root)
 - 300- Lachnanthes caroliniana- Redroot (bare root)
 - 300- Pontedaria cordata- Pickerelweed (bare root)
 - 300- Thalia geniculata- Alligator flag (bare root)
 - 300- Sagittaria lancifolia- Lance-leaf Arrowhead (bare root)
 - 300- Scirpus validus- Common Bulrush (bare root)
 - 300- Canni flaccida- Native Yellow bloom (bare root)
- **See attached list for verification of Florida Eco type plants.**
 - **Price includes delivery & installation at McDonald Canal Boat Ramp- 24600 CR# 448 A. Astatula, FL34705.**
 - **Contact Gallus Quigley 72 hours prior to delivery.**
 - **Plant material must be delivered & installed within 30 days of issuance of Purchase Order.**
 - **Plants to be watered for 15 consecutive days. There is no water available on site, Vendor must provide own water source.**

Lake County Parks and Trails
McDonald Canal Boat Ramp

South Retention Pond #1 (2.3 Acres Transitional Slope)

| | Species | # of plants | Size | Price/each | Subtotal |
|----|-------------------------------------|-------------|----------|---------------|---------------|
| 1 | <i>Cephalanthus occidentalis</i> | 100 | 1 gallon | | |
| 2 | <i>Serenoa repens</i> | 300 | 1 gallon | | |
| 3 | <i>Liatis tenuifolia</i> | 200 | 1 gallon | | |
| 4 | <i>Asclepias tuberosa</i> | 200 | quart | | |
| 5 | <i>Vernonia angustifolia</i> | 200 | quart | | |
| 6 | <i>Sporobolus junceus</i> | 200 | quart | | |
| 7 | <i>Liatis gracillias</i> | 200 | 1 gallon | | |
| 8 | <i>Liatis chapmanii</i> | 292 | quart | | |
| 9 | <i>Pityopsis graminifolia</i> | 200 | 1 gallon | | |
| 10 | <i>Elaphantopsis carolinianus</i> | 200 | 1 gallon | | |
| 11 | <i>Palafoxia feayi</i> | 200 | quart | | |
| 12 | <i>Ruellia caroliniensis</i> | 200 | quart | | |
| 13 | <i>Dyschoriste oblongifolia</i> | 200 | quart | | |
| 14 | <i>Scutellaria</i> | 200 | quart | | |
| 15 | <i>Rudbeckia hirta</i> | 200 | 1 gallon | | |
| 16 | <i>Helianthus angustifolius</i> | 200 | quart | | |
| 17 | <i>Helianthus radula</i> | 200 | quart | | |
| 18 | <i>Asclepias incarnata</i> | 200 | quart | | |
| 19 | <i>Heliotropium polyphyllum</i> | 200 | 1 gallon | | |
| 20 | <i>Solidago odora var chapmanii</i> | 200 | quart | | |
| 21 | <i>Sorghastrum secundum</i> | 400 | 2" plugs | | |
| 22 | <i>Spartina bakerii</i> | 600 | 1 gallon | | |
| 23 | <i>Aristida stricta</i> | 600 | 2" plugs | | |
| 24 | <i>Muhlybergia</i> | 600 | 2" plugs | | |
| | | 6292 | | \$0.00 | \$0.00 |

South Retention Pond #1 (1.0 acre Wetland Area)

| | Species | # of plants | Size | Price/each | Subtotal |
|----|--------------------------------|-------------|-----------|---------------|---------------|
| 26 | <i>Andropogon ternarius</i> | 600 | 2" plugs | | |
| 27 | <i>Andropogon glomeratus</i> | 600 | 2" plugs | | |
| 28 | <i>Andropogon virginicus</i> | 600 | 2" plugs | | |
| 29 | <i>Panicum hemitomon</i> | 340 | bare root | | |
| 30 | <i>Xyris spp.</i> | 300 | bare root | | |
| 31 | <i>Juncus effusus</i> | 300 | bare root | | |
| 33 | <i>Lachnanthes caroliniana</i> | 300 | bare root | | |
| 34 | <i>Pontederia cordata</i> | 300 | bare root | | |
| 35 | <i>Thalia geniculata</i> | 300 | bare root | | |
| 36 | <i>Sagittaria lancifolia</i> | 300 | bare root | | |
| 37 | <i>Scirpus validus</i> | 300 | bare root | | |
| 38 | <i>Canni flaccida</i> | 300 | bare root | | |
| | | 4540 | | \$0.00 | \$0.00 |

Lake County Parks and Trails
Mcdonald Canal Boat Ramp

North Retention Pond #2 (0.4 acres)

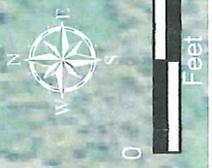
| | Species | | Size | # Plants | Pricing | Subtotal |
|----|-------------------------------------|------------------------|-----------|----------|---------|----------|
| 1 | <i>Solidago odora var chapmanii</i> | Chapman's Goldenrod | 1 gallon | 30 | | |
| 2 | <i>Cephalanthus occidentalis</i> | Buttonbush | 1 gallon | 40 | | |
| 3 | <i>Serenoa repens</i> | Saw palmetto | 1 gallon | 60 | | |
| 4 | <i>Spartina bakerii</i> | Cordgrass | 1 gallon | 100 | | |
| 5 | <i>Ipomopsis rubra</i> | Standing cypress | 1 gallon | 40 | | |
| 6 | <i>Liatris chapmanii</i> | Chapman's blazing star | quart | 40 | | |
| 7 | <i>Pityopsis graminifolia</i> | Narrowleaf silkgrass | quart | 40 | | |
| 8 | <i>Chamaecrista fasciculata</i> | Partridge pea | quart | 40 | | |
| 9 | <i>Ruellia carolinensis</i> | Native Petunia | quart | 40 | | |
| 10 | <i>Dyschoriste oblongifolia</i> | Twin Flower | quart | 40 | | |
| 11 | <i>Asclepias verticillata</i> | Whorled milkweed | 1 gallon | 40 | | |
| 12 | <i>Helianthus angustifolius</i> | Swamp Sunflower | quart | 40 | | |
| 13 | <i>Helianthus radula</i> | Rayless Sunflower | quart | 40 | | |
| 14 | <i>Chrysopsis floridana</i> | Golden aster | 1 gallon | 40 | | |
| 15 | <i>Sorghastrum secundum</i> | Lopsided Indian grass | 2" plugs | 75 | | |
| 16 | <i>Andropogon glomeratus</i> | Bushy Bluestem | 2" plugs | 75 | | |
| 17 | <i>Andropogon virginicus</i> | Broomsedge Bluestem | 2" plugs | 75 | | |
| 18 | <i>Aristida stricta</i> | Wiregrass | 2" plugs | 100 | | |
| 19 | <i>Mulenbergia</i> | Muhly Grass | 2" plugs | 100 | | |
| 20 | <i>Panicum hemitomon</i> | Maidencane | bare root | 80 | | |
| 21 | <i>Xyris spp.</i> | Yellow-eyed Grass | bare root | 80 | | |
| 22 | <i>Juncus effusus</i> | Soft Rush | bare root | 80 | | |
| 23 | <i>Lachnanthes caroliniana</i> | Redroot | bare root | 80 | | |
| 24 | <i>Pontederia cordata</i> | Pickereelweed | bare root | 80 | | |
| 25 | <i>Thalia geniculata</i> | Aligator flag | bare root | 80 | | |
| 26 | <i>Sagittaria lancifolia</i> | Lance-leaf Arrowhead | bare root | 80 | | |
| 27 | <i>Scirpus validus</i> | Common Bulrush | bare root | 80 | | |
| 28 | <i>Canni flaccida</i> | Native Yellow Bloom | bare root | 80 | | |
| | | | | 1775 | \$0.00 | \$0.00 |

McDONALD CANAL BEAT RAMP



Legend

- Planting Areas
- Site Plan



Lake County
N. 7. 5.
Site Planting Areas